

U.S. National Stage of PCT/EP2004/004183

Amendments to the Abstract:

ABSTRACT

Please replace the abstract that appears on page 16 of the specification with the following revised abstract which is submitted on a separate sheet.

Abstract

~~The invention relates to an~~ apparatus for determining and/or monitoring at least one physical or chemical, process variable of a medium and includes at least one mechanically oscillatable unit $[(1)]$ and at least one driving/receiving unit $[(8)]$. The mechanically oscillatable unit includes a tube $[(2)]$ and an internal oscillator $[(3)]$. The tube is connected to a securement unit $[(5)]$ with an end $[(4)]$ turned away from the process and the end $[(6)]$ of the tube $[(2)]$ turned toward the process is embodied as a free end. The tube $[(2)]$ surrounds the internal oscillator $[(3)]$ and the internal oscillator $[(3)]$ is secured to the end $[(6)]$ of the tube $[(2)]$ turned toward the process with an end $[(7)]$ turned toward the process. The driving/receiving unit $[(8)]$ excites the mechanically oscillatable unit $[(1)]$ to oscillate, respectively it receives the oscillations of the mechanically oscillatable unit $[(1)]$. ~~The invention includes that the~~ internal oscillator $[(3)]$ has at least one groove/neck $[(9)]$, which determines at least the oscillation frequency of the mechanically oscillatable unit $[(1)]$.

$[(\text{Fig. 3})]$